



ATAC Products and Services



Phosphorus Removal Systems



Lamella Units



Submerged Aerated Filters



Tankering



Vertical SAF



Pile Cloth Filters



Generators & Fuelling



Service & Maintenance

ATAC Company Profile

ATAC Solutions part of the AXIUS Water group is a fast-growing wastewater treatment leader focused on bringing innovative and proven technologies to market. With a customer-centric approach, ATAC positively impacts the environment by creating solutions that meet or exceed industry regulations while serving consulting engineers, municipalities, and industrial clients with simple yet powerful wastewater processes.

ATAC Solutions have a team of experienced engineers specialising in project management and design engineering within the Water and Wastewater Treatment Industry.

ATAC SAFF

- Stainless Steel Modular Biological Treatment Plant
- Available for Capital Purchase or Rental
- Low maintenance
- ATAC SAFF can be used to accommodate 100 - 3000 PE
- Quick and easy to deploy
- Numerous installation options
- Proven & reliable design
- Vertical SAFF available as option for small footprint
- 25+ Year lifespan
- Minimal operational input required



ATAC PRS

- Stainless Steel Modular Solids Treatment Plant
- Available for Capital Purchase or Rental
- Low maintenance & robust
- Quick and easy to deploy
- Supplied with/without chemical dosing container
- Numerous installation options
- Tested design
- Automated desludging available via Actuated valve or Pump
- 25+ Year lifespan
- Able to reliably achieve $>0.5\text{mg/l P}$



The ATAC PRS is a phosphorus reduction system which has been designed as a solution to the new Environmental Agency's standards on phosphate consent. The new consents vary by site and can be as low as 0.5 mg/l which is a very challenging standard.

One of the biggest advantages of the ATAC PRS is that it provides the equivalent phosphorus reduction to alternative equipment that can cost twice as much. The substantial savings are undeniable and the effectiveness of the ATAC PRS is proving to be more than enough to satisfy environmental agency standards. Designed to treat final effluent from 2 mg/l down to 0.5 mg/l as P.

The design includes integral mixing and flocculation tanks with variable speed mixers.
50m² projected surface area.

Max Design Flow Approx. 8-10l/s depending on performance required (29- 36m³/hr).

A second ATAC lamella unit can be bolted onto the side to increase capacity to around 18l/s whilst still utilising mixing/flocculation tanks of PRS tank.

ATAC Vertical SAF

- **Stainless Steel Modular Biological Treatment Plant**
- **Low maintenance**
- **Quick and easy to deploy**
- **25+ Year lifespan**
- **Minimal operational input required**
- **Smaller Footprint in comparison to traditional SAF units**
- **Efficient oxygen transfer efficiencies**
- **Lower blower sizes**



V-SAFF is a tertiary treatment plant used to achieve additional nitrification for existing humus tank effluents. It is built off-site which reduces construction time when compared to other on-site build options.

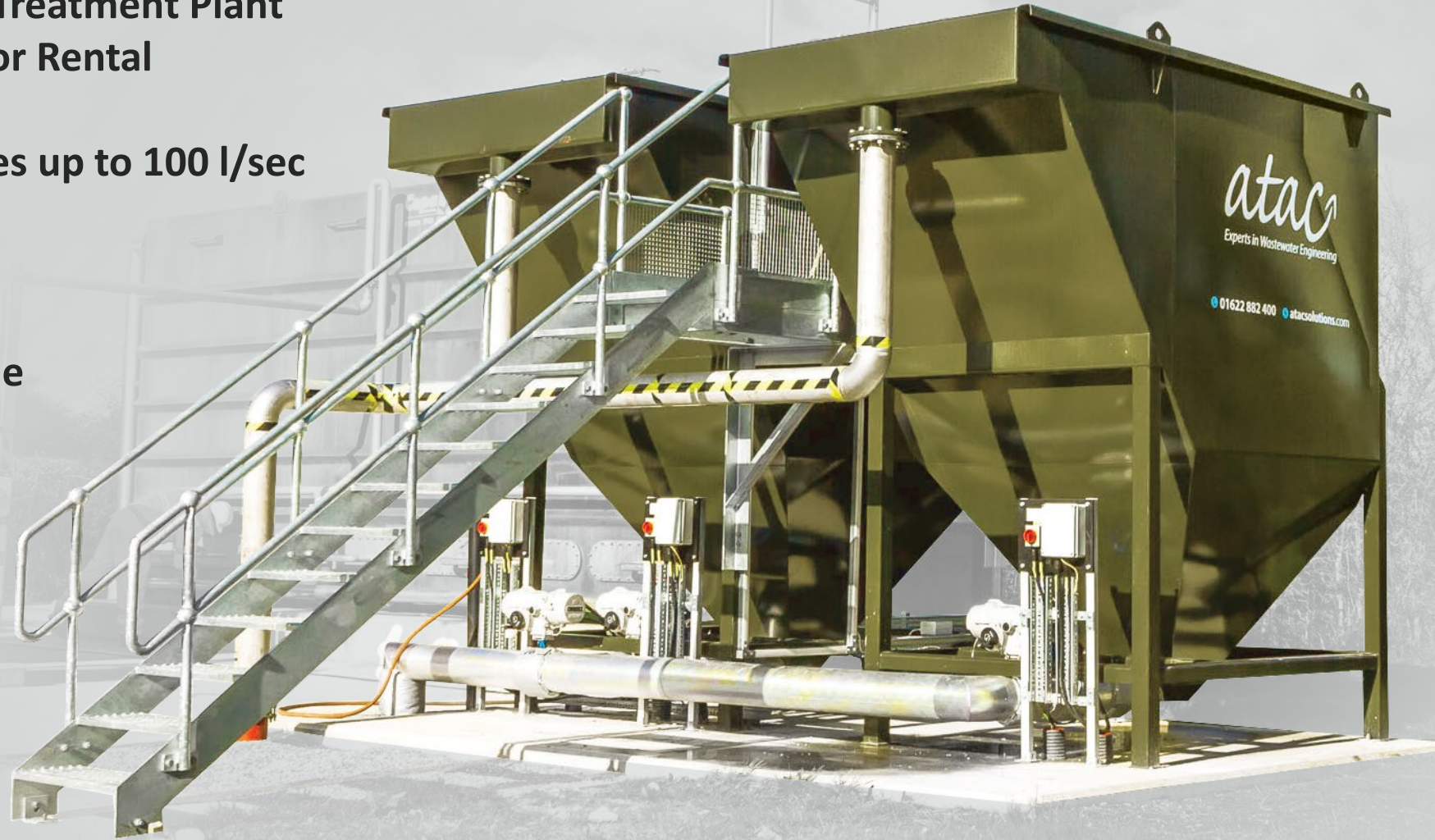
What are the advantages compared to a conventional SAFF?

- Smaller footprint removing the need for an additional Pump Station.
- Very efficient oxygen transfer due to depth. (5% O²/m)
- Allows gravity flow from the top of the unit into other forms of tertiary treatment i.e. sand filters if required.
- SAFF blowers are sized based on surface area of media to ensure sufficient scouring with the minimal surface area meaning smaller blowers and reduced power usage.

The V-SAFF is an alternative to the conventional SAFF units we already build and compliments the range for bespoke site applications.

ATAC Lamella

- Stainless Steel Modular Solids Treatment Plant
- Available for Capital Purchase or Rental
- Low maintenance and robust
- ATAC Lamella is available in sizes up to 100 l/sec
- Quick and easy to deploy
- Numerous installation options
- Proven & reliable design
- Automated desludging available via Actuated valve or Pump
- 25+ Year lifespan
- Minimal operational input required



ATAC Pile Cloth Filters

- Pile Cloth disk filters with vertical shaft – no drive chain required
- Filtering surface from 10 m² to 30 m²
- Fabricated in stainless steel
- Backwash system with submersible pump
- Compact solution, with low hydraulic profile
- Standard and Microfibre filtering cloth media available
- High efficiency in TSS removal — < 5 mg TSS/l at the outlet



ATAC Mobile Diesel Pumps for Hire

- Growing fleet of specialist diesel pumps
- Fully Trained & Experienced Operators
- Available in various sizes and models
- Fuel management and maintained in house



ATAC Generators and Fueling

Generators:

- Whole range of generators to suit all applications
- Rental fleet specification which comes with double bund fuel tank, 110V, 230V 400V IP rated outlets
- Super silent by way of internal acoustic lining.

Fuel Tanks:

- - Double Bunded
- - Fork lift pockets and lifting eyes to ease the transportation
- Comes with fuel level gauge and lockable refuelling point.
- Generators are available for Sale and Hire.
- Feed and return hose assemblies are available in variable length



ATAC Service & Maintenance

- Pump station maintenance
- Treatment plant maintenance
- Borehole pumps
- Rainwater Harvesting Systems
- Complex installations
- Remote monitoring
- Drain & pipework jetting
- Fully qualified Mechanical and Electrical engineers
- Fully trained and experienced personnel
- Working with a “First time fix” mentality
- South-East including Kent, Essex, Sussex, London, Surrey and Hampshire
- 24/7/365 Emergency call out



ATAC Tankering & Jetting Division

- Modern fleet of specialist Combination Tankers
- Fully Trained & Experienced Operators
- High powered liquid cooled vacuum pumps for continual running
- Suitable for all types of liquid waste
- Grease Trap Emptying
- Spill & Flood response
- High pressure jetting system for pipe & gully cleansing
- Low pressure system for washdowns
- Responsible disposal of tankered fluids
- South-East including Kent, Essex, Sussex, London, Surrey and Hampshire
- 24/7/365 emergency call out service



ATAC Filter Bed Refurbishment

- Replacement of trickling filter media
- Replacement of tiles and pipework
- Entire scheme planning & implementation
- Process management of site whilst works are in progress
- Temporary equipment supplied to provide biological treatment during works
- Renovation of filter arms and associated mechanisms (jet drive propulsion, syphon systems etc.)
- Flushing of arms and cleaning of nozzles



ATAC Aeration Refurbishment

- Complete aeration lane refurbishment – diffusers, pipework, instruments
- ATAC Tankers to remove debris and wash down lane
- Diffusers supplied and fitted
- Pipework supplied and fitted
- Instruments supplied, fitted and commissioned









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